

ARRL - Fred Fish, W5FF Memorial Award

The ARRL awards the Fred Fish, W5FF Memorial Award to amateurs who submit confirmations for contacts with all 488 Maidenhead grid squares in the 48 contiguous United States on 6 Meters. The following listing contains the call signs and FFMA totals as recorded at ARRL HQ today (15 Jul 2026). Awards are NOT activated automatically; participants must apply to have the Fred Fish, W5FF Memorial Award activated when the qualifying number of credits is obtained.

See the [ARRL VUCC page](#) for details.

488	ND0B	KX4R	W9RN	465	455
AA0MZ	W0FY	KY7M		XE2K	K9MK
AA5AM	W0JW	N0KE	478		WA9DU
AA5C	W0LGQ	N7KA	AD1C	464	
AA7A	W3CP	WD5COV	AE5B	AJ4F	453
AI5I	W4UDH			KB9OWD	K3SX
K0GU	W5ADD	485	477		K4YMQ
K1TO	W5AFY	K9MU	KC7V	463	K7PI
K1TOL	W5AJ	N0POH	N5KO	K4MY	KB9DAK
K4PI	W5EME	W5VY	N7ZO	W5XC	
K4XO	W5FF	W5ZN	NC6K		452
K5RK	W5KI		W6XK	462	N5BO
K5UR	W5OZI	484		K4SO	N9BX
K5WE	W7GJ	AD6D	474	K6ZH	NE1B
K7CW	W7JW	AF5CC	K7KQA	N6ORB	
K7ULS	W7KNT	AI1K		W5THT	451
K8SIX	W7MEM		473		K5WBM
K9CT	W9FF	483	NQ7R	461	KD3CQ
KA9CFD	W9JN	AC0RA	WB0O	N4JQQ	
KA9FOX	W9RM	K1USA		NA9RB	450
KD5M	W9XX	W0VTT	472		K8ZM
KG5CCI	WD5K	W5TRL	KB7ME	460	KF8MY
KM0A	WQ5S	WB0ULX	ND4X	K5OMC	
KM0T	WS9V		WD8JJA	KF0M	449
KO9A		482	WE9R	W3UR	KF6HI
KR7O	487	K0BJ			N8OC
KV5W	K0SIX		470	458	W8TN
N0LL	K0TPP	481	WO7R	K9NW	WB7CJO
N0LWF	K7MAC	KC7QY		KG5THG	
N0PB	K9YY	N4WW	468	N9BCA	448
N0TB	N0AKC	N5WS	N5EKO	NA6MG	KP4AJ
N1AV	N7CW	W9VHF	VE3EK		W3LPL
N3SL	N7IR	WA7HQD		457	
N3XX	N9ISN		467	K4HB	447
N5DG	NA6L	480	NY0V	N9PGG	AH0U
N5NA	W3IP	K5GZR		NI0G	KS7S
N5OMG	XE2CQ	N4TB	466		N2NL
N6JV		XE2OR	KA0JGH	456	N4SC
N7NW	486		KB6NAN	AJ4A	
N9LB	K5ND	479	WB9CIF	N4QS	446
N9UM	K7BG	W5WVO	WX7M		K1HTV

K6EID WB8ZBT	VE3LYC	417 NJ6D	405 AA4SC K3FRK K5CKS NE9U W0MU	393 K1GG K7XC KV7N WR7X	W3VZ
445 K4XP KU7Z N4LR	432 K6G XO N6KK	416 K4RWP K7ND KO4MA NI0P			380 K7MCX NE6I WA5LFD
444 N7BAV W9WO	431 K0TLM		404 K8JH N2ZX VE4EAR W5SUM	392 AF4HX W6OMF	379 AB9BH N8WNA
443 AB4IQ K5XI N4MM	430 K1TEO	415 K7AWB W0GJ		391 AB4SF AD5A W4AVY W6TMD	378 KR4BD
442 AG9S N2QT N4TL	429 K4ZOT K8ZR WA5JCI	414 AA1ON K0DEQ N0GZ W4TV	403 NH6T/W4		377 AB1OC NT9E WA1NLG
441 K8TB K9KLD WA1EAZ	428 K9APW	413 AE5FM WA9LFO	402 K3FM K7SMA	390 KI0E KZ2I	376 K8GI K8V FV N3OC
440 W2IRT	427 W0RH	412 VE2XK 6M FN07R2TER	401 K4CKS	389 W5MO W7FI	375 K6QG WB4OQX
439 K8ROX N4QWZ NM5U	426 N5OK W5JAY	411 N9EAT	400 W0JRP W3UUM	388 K0IP W4WRL	374 K0TT KV7K N6GP N7DB NY1V
438 N5TJ	425 K6ML	410 KB0V KE7SW KE8KMX KI8G N4HN	399 NN4R	387 KV4T N4CH	373 K4SSO
437 K5RT KK4MA W3LL	424 N4UFP N9AKR W3EP WB8BPU	409 N1EVK N5SYV	398 N8IEZ W1NG	386 N7IJ W5TFW W7AH WE4S	372 JA7QVI N0FJP
436 N9FN W3TC WB8ART	423 W4DR	408 W7BA	397 KE4TH	385 NK1K VE6MB W4WTA	371 AA4ZZ N3PS WA6BYA
435 KF6A	422 VE6WQ WB5JID WW1L	407 W4AS W5CIA W5PR	396 K6VHF KB8U	384 K8ROK N2WK	370 K5TN KN4SM KS4YT N3MK NT0V
434 K1SIX	419 K7NN W0GN W5AL	406 AK3E K6FG K8EB N4UFO	395 AA5XE K0AZ K5XM KF7CQ WB4EVH	382 K5PI VE3YXO	
	418 NZ3M		394 AA5JF K6RO KT8O	381 AG4W	

W4FC	358 K5RLA KG8P N8LRG NK0S	345 AA8SW VE7BV W3XY XE2YWH	335 AK0MR K0VG K5FUV K5FZ K9QVB KB4MRX KM3V KN4NN W4ER W9GKA WA7PDC	W9DCT WB4KTF WX4G	320 K1ST K7LOL N4DW
369 KF8UN N2DPF W8LMG	357 K4LVV	344 K6FW KB0PE W1OW		328 K6ME N5PT W2CNS WB3LHD	319 KF2T N7US
368 K0DD W5RCI W6GMT	356 K7PT	343 K5EK N3RC N6KZ N8HRZ		327 KJ5RC N0YO W2JU W7YA	318 W4HY
367 KC4HW W7YAAQ	355 KD5XB N3AIU (DM45)		334 AD7OV K0OOK K3TRM N4UFO (EM95) N9DR VE1JBC WB5TOI		317 KA8SYV W1SKU W3HDDH
366 KI7JA	354 NU6S	341 KD7DCR NX7U WA7YAZ		326 K2ZD K5KEW K6LMN K6TDI NG7M W7JLC WF7T	316 K3FN KA0ABA W4UCK W9BWR
365 K4JJW K7XB KG7CW	353 AF2K K0CS WA9PWP	340 N0AN	333 AA4LR K0TC KM4HI N0IGZ W3GQ		315 K5VH NY2NY XE1AO
364 AB5EB K0RAR N6QQ	352 KF9UG VE3DS W0KKK W1DYJ XE2ML	339 KE4BKL VA7FC W5VAS WB0OQV		325 WA2AEY WX0Z	314 KU4XO
363 AB4EJ W4NH	351 AA4FL K5DTC	338 N9JR NA5Z VE3SXE W9XA WA5KBH	332 AA7UN N4JDB N7KDT VA3IKE W9GM	324 HC2FG K9SH KU4A N2BJ VE3TMG W4MAY	313 JE1BMJ N2ZZ N6NR N7UVH NF4A W4GLV W5RKN
362 W1JR WA5OLT	350 N6VI N8YO	337 K8ZES W9EWZ WA5RT WW0E	331 K1GJQ K8WDA KC0UDO N4MW W3TI		312 AF6O KA2GOJ
361 AC9DX K6EME K8BL K9NR N1KDO N8KOL NG4C	349 KA0BAD KB1EFS	336 FG8OJ K5KDX K7BV K9QVB/9 VA2WA VE3XN WO9S	330 KB8MBC KG6AY W8PI	323 N8II W8KEN WO2T	
360 K6UM (CN85) W0NOZ	347 W2HRO		329 AA1QD N2JJ W2OR W8WG	322 K0CAO N3ALN VA6SZ	311 AC9S DK8NE KM3T KS4XQ W2BZY W5DB
359 AA4FF	346 N9XG W8OP				

310 N1NK W9KVR WO4DX	300 AA4V K0PHP K0SRL KB6VFC N1RR WA2BAH WX2S	292 KJ6P W1SSN	W4WM	KV1J VE6SH	TG9AJR VE3MSC WB8EJN
309 AA9RR KK0DX WA8ZID		291 KS4S W1WHL W2CCC	281 AA8MA JR1LZK K4OY NL7CO W2YE	272 KF8QL KO4PRE N4SV	265 N5KS W7CT
308 WA4HFN	299 KX7L VE6WK W1LE W8UV WB5GVY	290 WA8EFK	280 N0KV NM5Z W1FKF	271 K7NII KB7FUV KL0S W3HHN W3SW	264 AC8L K4JAF N0TK NF1O
307 AG1A KE5K W3ATV W9RPM	298 K0MLD K0PG KD4WSC N4IQ	289 K2BLA K4MM K9FA N5BCA N7RO NQ7G W4LTJ	279 N3JPU W0VHF (EL87) W8GJ XE1FAS	270 K4SPD KC9FQD N2LIV NI3K W4QK W5DNT W7JY WZ9B	263 AK4PR K9AAA WB7QBS
306 K4QE KE8Y WV9L	297 KG5EIU N8YQX N9LF	288 K1NU W1DU W4HLR	278 AA9D AJ4W K3JT K3WA N0LNO N8BJQ NN1N	269 K2IE K3ZO KD5R N5EPA N5WD VA2CY	262 K3CWH K5VR KD8JSP N4ST ND4DX WA0KBZ
305 K3VAT K6UM (CM88) KT1J WA9M	296 K4XR K6YUI KC7RW	287 K8DP KC7MRQ N8CGY WA4NVM	277 AC7JM PV8DX		261 AF2F K3TWK KB8UUZ N3EW W6TCP W9TA
304 K6IPF NS4T WA0GUD	295 KE4P N6AR N7NT XE1YY	285 AB0S K5CZD K9UO NS7K	276 HC1BI K2CS K5TWJ K7TAB W9OO	268 K6OJ KI0HA N9ZTS W0KAN WB9PNU	260 K6JAD K9MQ N6HC NT7C W3DF XE1YD
303 EA8DBM K8TGC K8TL N7LAN	294 K2UU K6JSV W7IMC	284 AB0RX K0KP K4DET NJ2F (EL96)	275 K1MAA K2NJ N4GG VE6TA (DO33) W0FK	267 KB1HY KG6EG KX9N N2AMC N8EHW W4FSO W5WP W9DRB	
302 JG1TSG KB2TGU N3KN	293 K3AX K4KJZ KL7HBK N4JJ N4MI W2GKR W4VC WA2IIE	283 N5OHL WA0FQK WB0CQO	274 KB1DMX WA8MCD	266 K1OA K1WVX	259 K1BD KD4ADC KG6I KN5O NY1E VE6BMX WA4YA
301 N0HJZ W7IB W9OBG WB0TVY		282 AA0ZP K5TA N8JCM	273 KM4H		

258 AB5GU K1NJ K2HAT NA2NY WB7ECS	KG7NV NN4SS W2LV	242 IT9IPQ K3WW KA3TCC VE3SMA	VE7VZ W8PAT W9TD XE1L	N8UR NM5S W0VX W8RD WQ6Q	K4IJQ K5HPT KB8KVJ KC0VDY NA5C
257 K0CCM K2KA K5QE KD4MYE N5DTT PY2XB W0PPA WA2HFI/0	250 AA9LC N5PA NW6R	241 N6NU W5LO	232 K5FO KK8MM N9NJY WA2OTC	225 AC9O KX9X (EN50) N2WSY PV8AZ W8AKS WN6W	217 ND4V W4DEE
256 JM1IGJ KL7NW N8ZJN	249 CT1IUA K8AO KQ5U N1GC N5SMQ	240 KK4ZUU KO6LU VA3HP W1VT WA2VJL	231 AI9L K4MIJ K6HEW KF6GYM W9XT	224 JA8ISU NJ8J	216 K7RB N0IS N6PM NE1F W1AW W5RWF
255 K8MVZ KG4JPL W4HFZ WA8KNE	248 K1ZZ W6VFA	239 KF4LVF MD0CCE W6RW W9YOY/M WA3SEE WB1FLD	230 JM1SZY K1ZE KO4MM VA3XJ WB0WAO/8	223 K7UA NJ7A	215 AL7OC K2SX KI5FJ N2YU N6KW
254 KG9Z N4GBK N7QOZ NR0Q VE3OTL WD5ITW	247 JA1UAV N5DD W3TEF	238 AA3GM JP1LRT	229 K6RG KB9RUG KD5IKG KE4UW N4NX NN5DX W5LUA	222 K0YY K2TV K3AJ KA1LMR KD4K WA2BOT	214 JA7MSQ KB9PJL KC7OD VE3SYK WA7AJ
253 F4BKV KG4ERR N2XQM	246 K0DAS K8YC KK8X N5TIT W4FRA WI7P	237 K3KO	228 K5RUS K7HSJ KF2ZQ N8AIA W5HEZ	221 K5WMH K6CQR N0PSJ N4ION N5UWY W4IFI W5JMW	213 K3DFL KI6X W0NBC
252 AB5A CT1EEB K1ACL K3NK N9ATF NN4RR VE6NTT	245 AE4WG N1IA N3XF VA3CW	236 K0SU K4NK N3FTI N9ATD W5AJX	227 K3HPA K8ZT K9TF KS9A W4KXY XE1GLL	220 K7BTW N7XCZ	212 AB5C JF8QNF JR3REX K3EA KF7NN N1SV N2OA
251 AD5JK K9QJ	244 K8DV N3AIU (FM08) N4JRY VA3ZV VE3VHB W0VD WD4IXD	235 ND0C NN9X VO1GO WB6RJH WT2P WZ9W	226 AF5WN GD0TEP N7CNH	219 K1DT K2RKJ KE5RV W6DPD W7ZSL WB2WIH (FN20)	211 K9FOH NE8S W2ZDP W5HNC W6AER W6KAP

210 K3MSB K9YC KL7NO N1TQ N6UK WQ9T	K5HYT K5LOW N0HF N8SYF W1RM W3SZ W9GFB W9VOB WA1KPD	W3TW W5CTV	KC2DLD KN4PPD N9UA W1ATV W2OO W4GE WB0DBS	N0UBL W2UDT WC4H	W0ZY W1MAD WY7FD
209 AA4IB W5WGF WA4NFO XE2N	202 K1BZ K5GJR WC7X WF8Z WQ5W	196 K0AIZ K0NR KD3HN N5DUW W2AMR XE2ED XE2W	189 4O3A KC0MEA WA5VKS	182 AJ6T CM87 FP/KV1J K5GMX K8WK NZ1I W9JJ XE1CL	177 AG4ZE K2QQ KI4BWW N2ZA NY4I SM7FJE W5ZG WA8UEG
208 AI2N CO8DM KD5HIO PV8ABC	201 AA7WB KC5FP KO9V KR0I NN0K NR2C WA1MKE WA9ASZ	AA4W K2WJ K6VDP KG6WIK	188 AD7KI KD4HLG W4AZR WA7VHF WU9Q WX9M	181 AB9FN K4CMS K5HDE KB8YKR N3XJX N4DTF N9MSG NY0A W4RBO W9BS WJ1B	176 AD5ZA EA5BY K0DI KX9X N5QGH N9ARX NP4BM W5AFD WA5IPS WW2R
207 K6US N1BCL N8NJA	KR0I NN0K NR2C WA1MKE WA9ASZ	194 K2MRK N3FA N9NFT WF1H WK8A	187 AA8R K0JDD KQ0J	W4RBO W9BS WJ1B	NP4BM W5AFD WA5IPS WW2R
206 AB0CT AE4M AK4Y CT3MD DJ5FI K4GHS K9YC (EN61) KB0LYL NA5Q W0BNE W4EJG XE1J	200 4A2MAX K4YJ LU4FW N5AO N7PHY N9AG VA3VU	193 K9AB KD2NF KF6XA	186 K8PT K9SG KN7K N0XLR N6ZE	180 K0OST K4LYN KC1MMC N1RK N6PEQ N6VH W5HI	175 PV8BR
205 AF4OD K8SD KE4HOA N5ITO W8QID	199 N3KFB W4OEP WB0YEA	192 N1LF N2NB N3CAL N3NR N4LXB N4TV W6MTR W8FN	185 AD6W KD5BQT KU4UC NA2R PY5CC W3OU W5BPT XE1R	179 K1EP KU4WD N0LIE N0MMA NH7RO VA3DPB W8LHP WA4QMQ	174 K3MD K6WRL KC0IYT KC6ZWT KG7P KU0A N1MGO NA2NY (ex-NA1VT) NA6O W3SO WA2PNI
204 K00Z LU2DX WA3DRC	198 AC8TO JR2HCB N0UK N7EPD NX0I W8DM WA7KYM	191 K0ITC K9CS KK6OH N9AMW W1MJC WA2BKN WA5CAM WD4JHD	184 AF5Q I0WTD K0DEW KR4M N1IBM N4BG	178 KA2AYR KB0EO KB1RZA KG5RJ N1ZUK NQ2O VE3NRT	173 K2ZZ K5YPV KE4SCY
203 K0VSV	197 K3EGE N4BAF	190 K5DB K5ER	183 K5RQ		172 AB9KZ K5ZED KI4PKW KJ6HI VE2PN

W4ABC	165 K4DXT KD5HPT N3FX W0RIC	W1EME W4TTO WB8NUT	WB5ZAM	146 AC0W HB9EFK K2GW K8YTO KB0YH KB5ZEA KC2TN KM5TY N4HID VA2RC VE1VOX	N9FIV NV4B W4FS W4POT W6ZI WB9WHQ WL7OU WR7AY
171 AA4PB HP2AT KC5GSK KC5YCH KI4TZ NS3L W1PX W6IA WA2KBZ	164 K2SD K5VWW KD0UHN KF9US W4CSW WK7G WQ7F	158 K8CR KI0D N2CG	152 AA6I N0RC N1NUM NU1T UT7QF WO4G		
170 K9TVG N8CN NA2U W4IHI W4JKC WK3V	163 K2JF K2YSY N5XZ	157 K4FX KB8GC KC2WUF WA7NB	151 W1ZT W2DXE	145 KD7YZ V31MD VA3TTX WA4JA	140 AC5DK BA4SI CO2WF K7SAM KC0MEZ KC8TMU KJ4KVC N1EN N3VOP NJ0U VA3FLF VE3KY W4GPM W4TUN W6DQ WA4KXY
169 K6XC KD5OMJ N2BEG N5XES VE3HHT W8KNO	162 AF4GK K0QB KA1R KD4TDI N5SIX OE6IMD W9JJB W9VS WA1Z WB0WAO	156 IZ8FFA K2KJ K9OHI N3RN N9KO VE7VDX	149 AB6CF K4SAN KK9H W3UA WB4VHF	144 K0TLG K5TDW K6JRA K8MN K8WU N9DI W5MPC WO7GI YV4NN	139 KC7JPC KM2O KU0G N7T NA2AA TF3JB W4OV WB2JIL WY0V
168 KG5ZMQ KS9J W2PD W8WEJ	161 K0KVR K4EA KB3CWQ KK9M N2YBB V44KAI VE3LC W4HOG WA1LAD	155 CT1BWU K3TD K6XN N5RMS N7AU N9OBE TG9ANF VA3NQ WV8DX	148 AC0DQ AG0A K0RU K7IU KB2YSI N0TM N1TOR N5ZBI PV8AJ W6VNQ (CM88) WB6RAB	143 K6JBH K9QFR KB8RJS N8URE (FM19) NA1VT W0HNM W0UHL WB0MMC WM5H	
167 K4MQG KB1YNT KB9REV KE5EP N0NHW N8XE NO0T TG9ADQ W1BAT		154 AE4NT KB9VMW KW4OV NZ6N W3ZQN	147 AF6AV IZ1LBG K6PSP KC1BUF N8IK VE3CX W4YCC W5WOX WA0VPJ WA3YGQ		138 AC0XY AI6O KD7WPJ KE0A KE3D KE8RO KQ4KX N3XH
166 JA1OVD KC2GHT N5VU NC4RY VA3WEB WB4KXS	160 AB1QB JA1AFR K5IQ	153 AA4NC AB4GG K7AD K7ZD N1OFZ N2ADV N2WM N6DHZ W3DQS W5FI W9ILY		142 NA2X NC4VA W5SWV WA5TKU WS4V	137 N1SZ N5JGK SM7AED
	159 AA6AA G0OIL K4MZ NS7B			141 JA6RJK K4AR K9ATX KT8TD	

136 K0XXX K4SX KC5LK KC9AXZ KJ5RM KV1E NO1R W2JCN W4AVV W7UV XE2JS	N4PPH N7TP NE1I VE3TM WN6K 131 JA3LZS JR1BAS K3NAT KG9R KT3X N2CJ	127 AA9RK K3GYK K7UV K8AC K8OS KB3OZC KB9TLV KC0RQH N6UTC VE2JWH W1FLD WA6BIL	KG6DHQ VE3TG W1HS W3DIY W3SE W4PRZ W5EWF W7MHW W8BI W8KHP WA8WV WB2RVX	119 AE5AU K0AWU K1ZN K2SQS K4MSG K7JIZ KF7PCL KP3V KT0P KW7N N4UPX W0QC W4SW W7QQ WI4T WM9M	115 K9AAN K9MMS KE6TVM KF0QS KF9AF KM5FA N7VGO UW5ZM VK9DX WA3BZT WC7V
135 CU3EQ K4MWB K8ZIZ LY3W N4DB W6BXQ WB8BZK WW2DX XE1H	130 AB0X K0GUR K4JKB K8LG KC4NX NG9R NO8D VE1DX VE2TZT W0PHX W2LES W3FEY WA2SEI WB4YDL WW5W	126 KJ7G N0BDS N7DGI WB4HUC YL2AO 125 AA7DK K3PU KC5DRI W2AJM W3UQH W4DFU WA6POZ WB4OMM WE1P	122 K7AED K7OGW KA9JAC KB4UF KB5WFE KC5UGX N5HYV VE6PY VE7JAC WD0GTy	118 J68AS K4AZV KA4LBD KF6MXK KI7BP KT8X N1QDQ N3JNX N5EIL W2AC / WB2ABK W2AC/WB2ABK WB2KSK	114 AC8HU K2RET K3RTU KC4GCK NF8M VE1WOW VE3IRR W2JLK W2ZQ W4ALF W4UFO WO2C WX4US
134 AB1NS AB4GE AD4TT C6ABB GM4UYE KE5FXE KF6UFO N3AIU (DN70) N8GOU W4TKI W5DM WA3WZR	129 8P6ET JF4VZT K0KD K5QWO KC8KSK KF4NEF KM5LY KM5SC N9WBR	124 K0DLW KB0HH (EM06) KD5FTD KM1C KT5MR N0SL N9AZZ PV8AAS W0PE W1TAM W3KN W6SCQ W7YM W9CDL	121 AE1P K0MFI K4HBI KB2WAL KB5MH KE4JFS NE0P/9 UR0MC W8DN WB9TFH	117 AB5J K4WS N4USG N5JEH* N5LPT NA7L NU6V W6WE WA1TBV XE2PXN	113 AB4PM AD5MD HB9BZA K3DQB KD4BPZ KD6VCD KM5OL N3JDQ N4YCI N5YK W0BM W8MSP W8VW WD0ENC
133 KA5ETS KC1RET KE1VT KM8V W0RT WI5D WW7Q XE2O	128 JR2LJO KC7QAG KJ6SDF KN4DMN N1SFE W0WT W5ZO W8FR WB2WEO	123 AC7AF K9SM KB0GT KB0STN	120 EA1YO K2CYE K4AU K4CGY KD0R KD4MZM KD5BRF KE4SCY (FM06) N3YPJ VE1JC VE3XK WA6RAY WD4OHD	116 IK7EOT K4RGN KI6QDH KU5B N0VR NO0B W0DHB	112 EA4DEI K2MLS K3GD K5WTA KA7T N5HMH W1TR W5DQ
132 AB3CV IC8TEM K5VG KW4G					

W6OAT	JP7EIP	K9MAL	KA1W	K7SYS	W9DQ
W7IV	K5OPB	KB3JGS	KB0FHP	KB1JDX	WA5TLP
W9PN	K7MDL	KC0JYT	KB2SGX	KB4KBS	WV9E
WA8TWM	N3MWQ	KC4KK	KC9FFV	KC6AWX	
WG3K	VE3SUB	KF4DGS	KF0AIJ	KC8CSD	99
WX3P	VE7IG	KJ7TH	KF4DVG	KG8WB	AB0SD
XE1GK	VY2RU	N4NQY	KR4NO	KG9IL	AB3TM
	W4AMP	N5SAN	N0YXE	KL2R	K0YO
111	W4CRN	N7YY	N1JIF	KR4WM	K4KEW
N0SLT	W5AAJ	NE9O	NF6P	KR7LD	K4WQ
PC3T	W8EH	PU4JOE	NN2D	N1IX	K4ZO
W8GBH	W9VNE	VE3VRQ	VE7DXG	N4AOE	K5VPQ
WZ8P		W8MIL	W0TF	N8VEA	K7DD
	107	W9RVG	W3LEO	N9DVS	K7PAP
	JA3EGE	WA4MYO	W6IT	ON9CMR/W0	K9ZZE
110	K5UIC		W6XU	VA2LGQ	KA0ZEE
G4BWP	KF7PG	104	XE1RBV	W4LLP	KC2IEB
K5KR	KI9A	AB9YC		W5KBD	KC6X
K7LD	KK4LUM	AC5K	102	W7ISG	KD4MWO
KD5J	N3TTT	AC5RN	AA9MY	WB8IMY	KD6RUH
KI0F	N9OI	AC9QR	AB8JH	WD5IYT	KG9AP
KP4JRS	NF0T	IK4DRY	AD6KH		KR4UA
KQ4LA	US0KW	K5PPP	K0HAQ	100	M5MYH
KX5U	W2TTT	KB9RNO	K3HW	AC0FT	N4FV
N5TIF	WB4PPW	KC1LXO	K9AM	AI2S	N7HRT
N5YM		KC2TR	KA3ZLS	AI9U	N7JPF
W7JET	106	KD9GKL	KB8CR	K2UA	N7TE
W7UP	K0MEI	KJ7OG	KC6WFS	K4UQC	N8GHZ
	K5BJW	KM6WXB	KC8DMN	K5GM	N8YV
109	K7BWH	KO4LZ	KD8NYO	K5KV	N9MKC
AK6ZZ	K7JE	N0STP	KE1AU	K8IJ	NB5R
IW1ARB	KB0TIJ	N1LDY	KJ4M	K9CC	NH6CJ
K2DSW	KC7ICM	N2FBQ	KR5V	KB9ZLB	NI5W
K2JGL	KE5JXC	N3UPS	N1HOQ	KC2HLI	NS2P
K2OO	KJ6MBW	N7AGF	VE7ZD	KC8CC	VE2HAY
K5DNL	KK2DOG	NJ1H	W4RVZ	KC9CMT	W2HOG
K9GY	N0RQ	VE2PIJ	W5DPT	KD3SW	W2VU
KE6GLA	N1USB	W1TE	W5OV	KE5CVM	W5JLC
KJ6CA	N2IPH	W1ZE	W7UT	KF0Q	W6TJU
KZ7N	N4CE	W4KVS	W9NFL	KG5X	WA5TRX
N8TMW	N5FPW	W6ZQ	WA4IOB	KJ5OA	WB5NHX
N9TTX	N5YHF	W9EBK	WA8EQP	N3TBB	WB7VVD
VE3AAQ	N8HM	W9MDB	WB5FDP	N4NIA	WK5X
W0YJT	N9XMU	WB2VUO		N5RZK	WW2R (EL09)
W1OP	VA3OKG	WB8BZK/VE3	101	N5XTR	
W4ZRZ	VE3AJY		AE7V	N7EME	98
W5MPC/1	WB6VYH	103	AI5WW	N8COP	AC2RL
W7RJR	WQ9F	AA5CK	K0IN	N8XS	AD8Y
WB6YIY		AB0YM	K0SBV	VP2MRM	K0KC
WB9W	105	AB5SS	K0WJ	W2CH	K0UD
	AC4Q	K2OY	K2NUD	W4/KL7GLL	K3IXD
108	DS4EOI	K4MVL	K5DWI	W4OZK	K3QIA
CF3VRQ	K4SJA	K8ZEE	K5HX	W8BZY	K4OP
JA9IPF					

K5HOB	N9KY	WA3EEC	94	WA9BXB	W9NED
KA1EKR	NK7C	WB0M	AA4RP	WT9U	W9WI
KE4LGL	NU0Y	WB5KJE	AB4VT	WV7S	WA5ICA
KG4YOU	NV3K	WP4LNY	AD1DX		WB5CON
KG7E	VA3FIN		AK8CW	93	
KJ2G	W3QT	95	HK4SAN	AG2A	92
KK0CQ	W4CWA	AB9AI	K0ARM	AG6CV	K1EY
KY0Q	W4DAS	AE0G	K3BEE	AI8F	K5GDX
N0JJQ	W4ID	AE5EO	K3TUF	K0IW	K5TDA
N1JHJ	W7DN	IK8YTA	K4JRK	K1PTF	K7FU
N3LRP	WA6OSX	K1PNQ	K4LDC	K1ZK	K7HKR
N5TEY	WA9LEY	K4ED	K4NNX	K2AK	K7UWR
N8AID	WB8RVK	K8BB	K8GT	K2MTS	KB0PQP
NO5X	WB8ZTV	K8KFJ	K9DOG	K4DAM	KC4JNW
NO8R	WE8L	K8ME	K9SUL	K5TRI	KD4QMY
VA3VF		K8VD	KA2F	K6RM	KE4WBO
VE4XTZ	96	KC5N	KA9UVY	K7IP	KG4URP
W2KRP	AD5OW	KD7WH	KB4YKC	K7TRK	KR7X
W6TE	AE4TQ	KD8DR	KB7AK	KB0USF	N2SG
WA2FGK	AK4F	KD9ZR	KC0AUJ	KC5TGT	N3GH
WA3TLT	K2CK	KI0SK	KC3AK	KC5TT	N4VN
WB1GQR	K2UF	KW9U	KD4VRZ	KC9TTR	N5QO
WB2YDS	K2UNK	N1XK	KE3WM	KC9UL	N6FD
WD0E	K4EQH	N2SLO	KF0LA	KD0QG	N6RPM
WH6LR	K5CRJ	N2WLS	KG4NLZ	KE6AZX	N7DED
WT5H	K8EMR	N3WAV	KU4JZ	KE6UMW	NS6E
WV5Y	K9OT	N4ET	KV3W	KE8RPJ	UT5JAJ
	KA2NDX	N5BLY	N0LNE	KE9V	W1PV
97	KA3HED	N5ENU	N0LP	KI0J	W2ACY
AB8M	KB5GI	N5KI	N2SU	KK7MNC	W2CVW
AJ9C	KB8PNS	N9IV	N3JBH	N2BX	W3ACO
K0HB	KC0HBP	N9LJX	N3XBG	N2YTF	W3GP
K0JQZ	KD6PY	OE9KFV	N3YUG	N3AO	W3HZU
K0QEI	KI5TE	PY2KP	N5ZMP	N3ZBK	W4BP
K0SH	KM5NU	VA3KS	N6HY	N4GOA	W4LIA
K0YQ	KR4EE	VA3PZ	N6MXU	N4YHC	W6NS
K3HZO (FN20)	KS4V	VE3KZ	N7NH	N7EGY	W8JV
K4GTR	KT5RR	VE3SPW	N7UN	N7JI	W9HBH
K4JQU	N0WVU	W4YZJ	N8WWM	N7KSI	WA3JKB
K8XF	N2LID	W5ADA	N9DD	NA9D	WA4EEZ
KA2BSK	N2VHZ	W5CBF	N9UNX	VA3JFF	WM3O
KA7EII	N2XK	W5RCQ	VA3MA	VA7QI	
KC0YBM	N8PAQ	W7JWC	VE3RX	VE3WMD	91
KD5CKP	N8YBY	W9SX	VE5MX	VK5PJ	AA0CW
KF4KSN	NT2A	WA2ONK	VE7AB	W0MHK	AD3Y
KM4NYI	NW5Q	WA3I	W2GR	W2VTV	CO2WZ
KT5WB	NY2Z	WA4WR	W3IPA	W3ZGD	K1UR
N1VMJ	VE2DCP	WB2SIH	W3TA	W4VG	K4SPA
N3UMA	W1HMM	WD8DOT	W4LNG	W5DMT	K6YK
N4BH	W3VHF	WS4S	W5ODD	W5DWA	K7HPN
N6MA	W4KK	XE2AT	W5PUF	W7EIR	K8OI
N9APK	W4TMR		W7NX	W7TRX	KB2YWU
N9IO	W7JHS		WA7LHZ	W9IFW	KB3IAI

KB3NDS	VA3XOV	AE4OF	NE5S	WA4WKL	DF3CB
KB7AZ	W9CPV	AF4MI	NI5F	WD4LSS	KE4DZU
KC5POV	W9CSY	K1RS	NN7RM	WF4R	N6MM
KC8LGL	WA2BEV	K3TN	W8GOC		N7NEV
KE1IU	WA8OJR	K4XD	WB3IGR	84	NI4Y
KE7RTB	WD9HCF	K7CTV	WB8JAY	CT3FT	W3MC
KG4QWC	WE7H	K7WV	WF4W	K4EZY	WA4ZXV
KI3O	WEST SEATTLE	K7ZTV		KE6NDG	WA8ZNC
KI5BLU	WH6LE	K9JF	86	N1KI	XE1EE
KM7N	WM7C	KB2KIR	AG1T	N2NWS	
KM9I	WT4C	KC1GWX	K7FB	VE2WBK	80
KQ6K	XE3/K5ENS	KC3MLC	KA9OKH	W8PU	AC6BW
N3PPH		KE8UM	KB7JJG	W8SGR	G4FKA
N3WCM	89	KI2D	KI6HQT	ZS6NK	K7FR
N6DW	AB1TZ	KI4RFM	KN4MMH		KE4PT
N7CZ	AG2AA	KJ4KW	KP4TB	83	KR4Q
N8DEZ	AG7NR	KU4S	KT1R	AA6E	KW1DX
NR4J	G4NBS	N0OK	N2NF	DL5XJ	N2NS
NU4N	JQ1TIV	N1CEO	N3MVF	K1LH	VY2HF
VA2BBW	K4BMM	N2MKT	N8TFD	K4SQC	W2DEN
W2SUB	K5CX	N2ZN	NZ3O	K6JJ	W5TTY
W4MLN	K5JAZ	N4CAG	SV1RK	K8SIA	W7AM
W5KDA	KA0MWA	N4GN	VA3MDB	KB3HHA	
WB0NRV	KF4TVL	N4KIN	VA7LM	KB9LIE	79
WB7X	KI0G	N4UC	VE7IRU	KK7BV	K4RW
WC4V	KI4FW	N5VBK	W8IW	KU4WW	K5JBT
XE1GZU	KI4US	NS3X	WA1PMA	N5PD	KB4DSL
	KR4U	NT4TN	WB4GCS	N6KTH	KP4N
90	N2GZ	VE2VLJ	XE2AU	SV2AEL	N2COP
AA0LM	N5KAE	W2BZR		TG9AKH	N5YJZ
AB4WL	N8YSZ	W3YX	85	W7USB	N9RC
AB9DU	N9RG	W4DL	AC9GK	WD6T	VE3CFK
AF5BG	N9UDX	W4RXX	EI3IO	WD9IOK	W2GW
DL1SMA	NE2U	W7HDD	K1UU	WI6Z	W2SKI
JH4JNG	VE3VCF	WA2BTR	K4LRP	XE1MM	WN0L
K1HC	W0HRO	WA5MD	K5MJP		
K1KA	W1HY	WK3N	KB3MXK	82	78
K3CWF	W2JEK	WV8O	KC0V	AD4IE	IZ8EDJ
K3UAL	W2OK	XE1SOV	KE4DRF	CB0ZA	K2QPN
K4AAP	W4ZMM		KK4AND	K3RJK	SP5QWB
K4FTP	W6VNQ	87	N2RJ	K4JMX	TG9AWS
K4XZ	W9HT	AC0A	N4LS	KA5WSS	W4NE
K6UIP	WA7SDI	AG4I	NJ1Q	KC5YKX	
K8EAB	WB3IAL	K4JC	VE3GFN	KG4KVZ	77
KA5TJI	WM6Y	K5UZ	VE7DAY	N1SF	K1IFJ
KB5FHK	WQ5C	K5WO	W1WV	PU8TEP	MI0AYR
KB7BSA	WR5AY	KB1VUN	W3STU	W5DAS	
KK4DZP	XE2NL	KC8NAH	W4IT	W7YOZ	76
KW3DX	XE3DX	KE6WOX	W4RA	W8GG	K0WYN
N2ULL		KI6RRD	W6ST	WA2ONG	K6MAA
N4BRF	88	N0ELA	W7SIR		KI4CYB
N5BA	AA4QE	N2CJN	W8DQ	81	KI7WXP
N9JJ	AE0DX	NA5DX	W9QY	AB4I	N1GNB

N2MH/4	WD4LBR YL2JZ	58 KC6NBI SV8CS WA2MUA	46 HB9RUZ	34 G4SEU JL3LSF LA2QM	PA7TWO
75 G4RGK K3PP K6VHF/HR9 K8QM N5GH NP3YL W4LVH W5UC WP4NEG ZL3AAU	68 AA4S EH7CD K6CF KJ7TEA	57 IK1ZOF JL1UXH JL3MCM N5LJL WD5GRW	45 JA6WJL K4TXJ	33 W8GC WB4SON WB8TGY (EN72)	23 GM4ILS K4SLC KP4EIT W8MK
74 AK8B CX4AAJ HB9ALO KF2TI LU4FPZ VE6SO VK4CZ WC6DX	66 K6KLY KK4YEL UX1UA	56 K6ZZ KI5WA LU8ADX NI6T	44 WO3T XE2YWH/1	32 DM2RM N3LRH SM6WET ZL3TE	22 9H1SP IZ3ENH OE3SGU
73 JF1IRW VP2MJD W4WT	65 JA1XEC K4IM K5EJ N7UJJ OK1MP W4CCS	55 LA3MHA SP5APW WA2EMF	43 8P6SH CT1EEN K4ZIN	31 K7TM	21 EA1YN
72 N4II PV8ADI	64 K3BQ WD5GRW (EM13QC)	54 AG4KI	42 W0PR	30 E72X JO7WXN WA6DNR	20 CX1FK I1FQH JM1KVV N1WC PY5EW W8LR
71 K0GW K4GK K5WPN NP4TT W2YR W3FGP WC5M	63 EA1DR HL2EIZ KB0RFY	53 K0BBC PP1CZ	41 E75AA LA6OP N6PAZ	29 HL2WA OE4VIE	19 DL1TS EA6BB JI4WAO JR3UIC PY2HN SP8NR VE6TA (DO31)
70 GI4SJQ K4BNC KC0ZRX N6GEO W2QO W4GP	62 K4DXA N6ZDH	51 CT1ETE N8OFS OH4UI VE9FCP	40 HA5PT JF1LMB JR0QFA WB8TGY	28 CT8/K0RUI JA6CRP K0FMI OH3DP	18 AJ6V HL4GAV KJ4EU W0HBH
69 K3WGR W1YM	61 CU3AN K4MLB N0GVK US5WE	50 N8MR	39 AA5PK	27 E70A KC9ELU WP4NIX	17 G3LZQ PY2XAT SP5XMU SV8CKM W0JM
	60 HB9BIN IZ4DPV KP4JFR S55DX UR9QQ	48 G8BQX HL2IFR JA9KRO K0BBC/R KI5KC N6DBF NP3IR YL3HA	38 DD3KF DG7RO DU1EV K8YSE	26 DS4AOW WB7QXU	16 N6VHF TI2CDA
		47 HB9RYZ JE1VTZ XE2X	37 BA7NQ HL4CJG JA9APS JH9DRL	25 EA4/K1WE	15 9K2BM EI2GLB
			36 JA1WSK	24 EI2JD F1RAF F4BDG HB9G KS4YX ON6AB	
			35 GI4OWA LU9DO UR5WA		

HB9FMN	PA5KT	J15USJ	YL2CA	F1VEV
HB9HIT	SV2DCD	JJ1IDW	YL2MU	G4CFS
JE2UFF	TF3Y	KB8VAO		G4VSS
LU5FF	UR7DWW	M1VPN	2	G7SQS
PY2RN		MU0GSY	5B4ALJ	G8TTI
UT3UA	9	OK1IN	6K5XZE	IK5BSC
WC2C	DL7BA	ON5UE	9A2GA	IW0AFS
	EB1EWE	PP2RON	9K2NO	IZ0BTB
14	EC7ZK	SK6QA	BV6CC	IZ2CSX
EA8MT	G6BFP	VE2NGH	CO6CBF	IZ3DBA
IW3GJF	HB9GWJ	VR2XMT	DF3VG	IZ5FSA
JA2XCR	IK3ITB	W1ZR	DF8FT	JA1GZK
KB8DVT	JA1MZL	W2ZF	DK1CO	JA7DPC
PA7RA	JA2FGL	YL2CZ	EH4BPJ	JA7VXB
PV8RR	JE1LFX		ES8JX	JH8XVT
PY2OC	KD3UY	4	F5TMJ	JI1HNC
W9TTY	S51NM	CT7/RC2A	G0THY	JJ1PFC
		DD6UAH	G4DDL	JL2ULM
13	8	EK/RX3DPK	G8GNI	JN3ONX
K4AKX	DK2LO	F1DFR	GI4ONL	KC3KJQ
K4WY	G1VDP	GM4CFS	IK1IYU	KG4JSZ
PY2MC	JA1CPU	GM4KHE	IK2GOQ	KH6WI
W4PWF	JE3PCP	IV3GOW	IZ8XQC	KP4DER
	JJ2NWI	JH7IMX	JA6AVT	MM0INH
12	N8RO	JH7IPR	JA6SZV	OK1UU
EA3GP	OH8LXT	JK6DXD	JA9FAI	ON6NA
F4ESV		UT5EL	JH3MHI	OZ1IKY
HB9DDZ	7	VK4ZP	JP1HDK	PU5SVE
IK2RPE	DH0GSU	XE1SAX	K4KZM	SM3GBA
JK1UNZ	G8APB		K7LY	SM6LPG
JN1RQV	IZ0INX	3	KEN IN NEBRASKA	SK7EXY
N1IW	JA2NDQ	DF1ZN	LA2CQ	SQ5NRY
ZS6WB	LA3DV	DJ5AV	OH3KAV	UN8G
	N5ORT	DL2KQ	SV1XV	UR5EDX
11	NJ4Y	EA1AR	SV3FUO	VR2VGM
	UR5FEO	EA4D	YB2DX	WB7VUF
A65BR	ZS4TX	G3LHJ	YL2KF	YO8WW
DL2OE		HA9PP		
EA4DAU	6	HL2ZN	1	
EA4ZK	CT2FEY	IK0WRB	3A2MW	
G4CTY	DL1TRK	IK8EPC	9A2EY	
IZ4GWE	DU0A	J11CHH	AJ6T (EM66)	
JA2KVB	EI2JC	JM1GHT	BD4UJ	
JA6QHJ	JA7NGE	JN1BPM	CT1AHU	
PY2DV	JG1JPE	JR6IQI	DH8BQA	
PY2GM	PY2VA	KC0Y	DJ3ZF	
		PY5IP	DL2DCX	
10	5	SA7CJO	DL4ZAB	
DL4CF	DL5LH	SV1VN	DL8GAM	
HB9BOS	EA1AAA	US0YA	DS5DNO	
JH8RZJ	EA7ZY	W1CBY	DS5TOS	
J12UDK	G6MXL	WD9EWK (DM43)	EA3WD	
KA5WRG	IK8GYS	YB1TJ	EA4GQS	